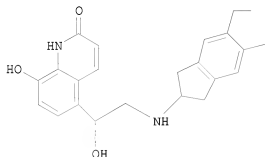


L8 ANSWER 75 OF 76 CA COPYRIGHT 2009 ACS ON STN
 ACCESSION NUMBER: 137:37642 CA <<LOGINID::20090720>>
 TITLE: Preparation and formulation of a quinolinone compound
 for treatment of airway disorders
 INVENTOR(S): Cuenoud, Bernard; Fairhurst, Robin Alec; Lowther,
 Nicholas
 PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen
 Verwaltungsgesellschaft mbH; Novartis Pharma GmbH
 SOURCE: PCT Int. Appl., 25 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002045703	A2	20020613	WO 2001-EP14122	20011203
WO 2002045703	A3	20030313		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NO, NZ, OM, PH, PL, PT, RO, RU, SE, SG, SI, SK, TJ, TM, TR, TT, TZ, UA, US, UZ, VN, YU, ZA, ZW				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
CA 2427282	A1	20020613	CA 2001-2427282	20011203
AU 2002017082	A	20020618	AU 2002-17082	20011203
EP 1341542	A2	20030910	EP 2001-999366	20011203
EP 1341542	B1	20070502		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
HU 2003002571	A2	20031128	HU 2003-2571	20011203
HU 2003002571	A3	20050530		
BR 2001015910	A	20040120	BR 2001-15910	20011203
JP 2004514739	T	20040520	JP 2002-547487	20011203
NZ 525731	A	20041126	NZ 2001-525731	20011203
AU 2002217082	B2	20050407	AU 2002-217082	20011203
CN 1212119	C	20050727	CN 2001-820032	20011203
RU 2292890	C2	20070210	RU 2003-119549	20011203
EP 1772142	A2	20070411	EP 2007-100048	20011203
R: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE, TR, RO, SI				
AT 361077	T	20070515	AT 2001-999366	20011203
ES 2284732	T3	20071116	ES 2001-999366	20011203
IL 155709	A	20081126	IL 2001-155709	20011203
ZA 2003003399	A	20040423	ZA 2003-3399	20030502
IN 2003CN00856	A	20050422	IN 2003-CN856	20030602
NO 2003002510	A	20030603	NO 2003-2510	20030603
NO 325692	B1	20080707		
MX 2003004976	A	20030905	MX 2003-4976	20030604
US 20040038951	A1	20040226	US 2003-433546	20030604
US 6800643	B2	20041005		
HK 1059564	A1	20080111	HK 2004-100918	20040211
US 20050009795	A1	20050113	US 2004-911201	20040804
US 7008951	B2	20060307		

US 20060052352	A1	20060309	US 2005-248462	20051012
JP 2007302684	A	20071122	JP 2007-180977	20070710
PRIORITY APPLN. INFO.:			GB 2000-29562	A 20001204
			EP 2001-999366	A3 20011203
			JP 2002-547487	A3 20011203
			WO 2001-EP14122	W 20011203
			US 2003-433546	A1 20030604
			US 2004-911201	A3 20040804

OTHER SOURCE(S): MARPAT 137:37642
GI



I

AB An inhalation composition comprises, sep. or together, (A) a quinolinone compound

(I) in free or pharmaceutically acceptable salt or solvate form and (B) a corticosteroid, useful for simultaneous, sequential or sep. administration in the treatment of an inflammatory or obstructive airway disease. The molar ratio of (A) to (B) is from 100:1 to 1:300. A composition is an aerosol or a dry powder in a capsule. For example, an aerosol formulation was prepared by dispensing 10 parts of micronized I maleate, 10 parts of mometasone furoate, and 100 parts of lactose (bulking agent) into a vial, sealing the vial with a metering valve, injecting the premix of 2500 parts of ethanol, 30,500 parts of propellant HFA134a, 67,000 parts of propellant HFA227, and 0.5 parts of oleic acid (surfactant) into the vial through the valve, and subjecting the vial to ultrasonic energy to disperse the solid particles.

IT 312753-06-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

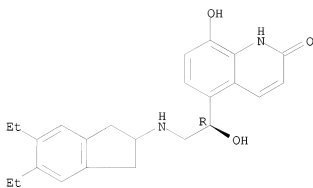
(preparation and quinolinone compound and its formulation with corticosteroid for treatment of airway disorders)

RN 312753-06-3 CA

CN 2(1H)-Quinolinone, 5-[(1R)-2-[(5,6-diethyl-2,3-dihydro-1H-inden-2-yl)amino]-1-hydroxyethyl]-8-hydroxy- (CA INDEX NAME)

Absolute stereochemistry.

10/552,023



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT